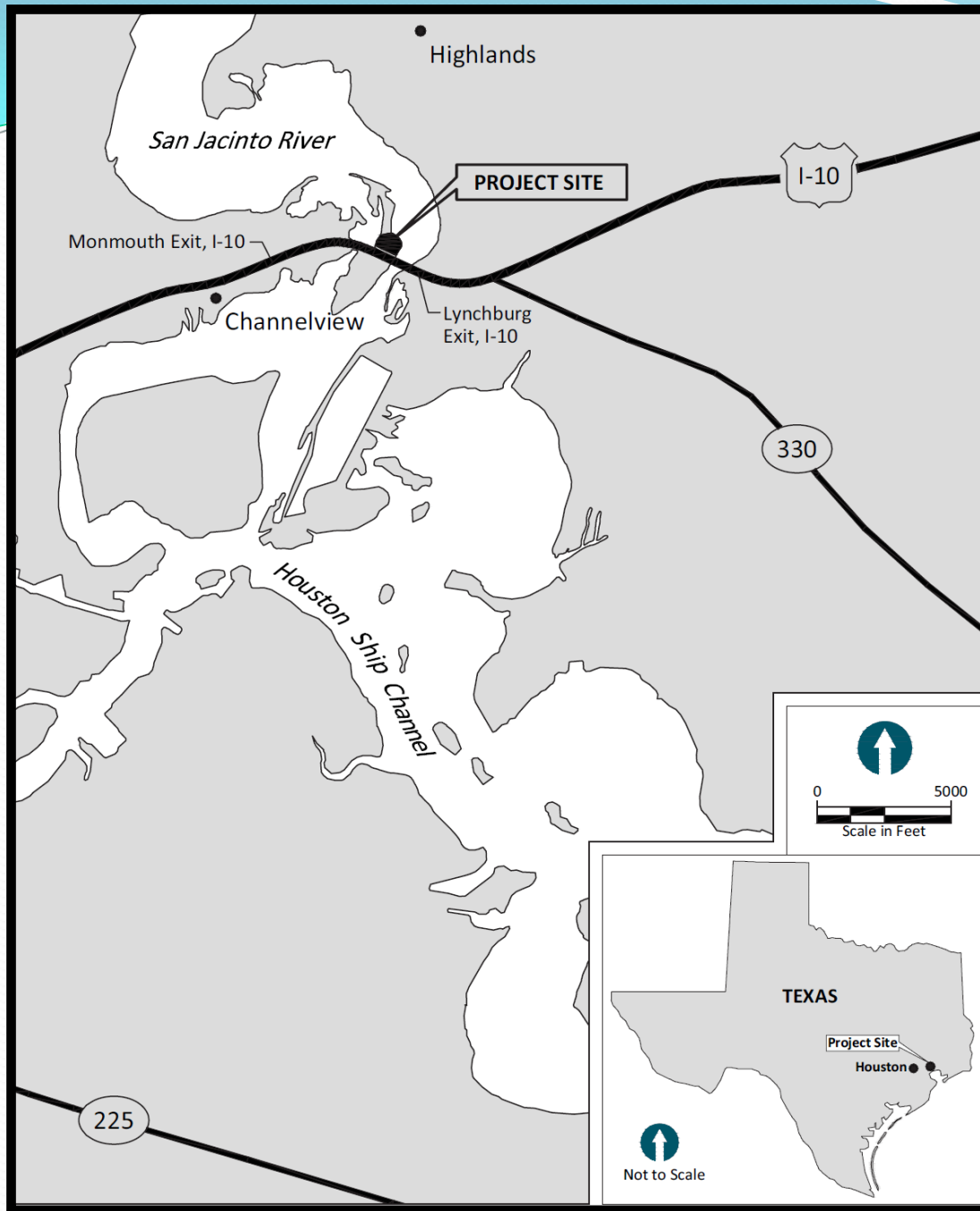


# **San Jacinto River Waste Pits Superfund Site**

**November 15, 2012**



# San Jacinto River Waste Pits Superfund Site

# San Jacinto River Waste Pits

August 2011 Residential Soil  
Samples for Dioxin  
and Furan Analysis

●  $\leq 50$  ppt TEQ Dioxin/Furan

- Sample Location
- Zero Ft. Contour
- Northern Impoundment
- Southern Impoundment
- 100 Yr. Floodplain

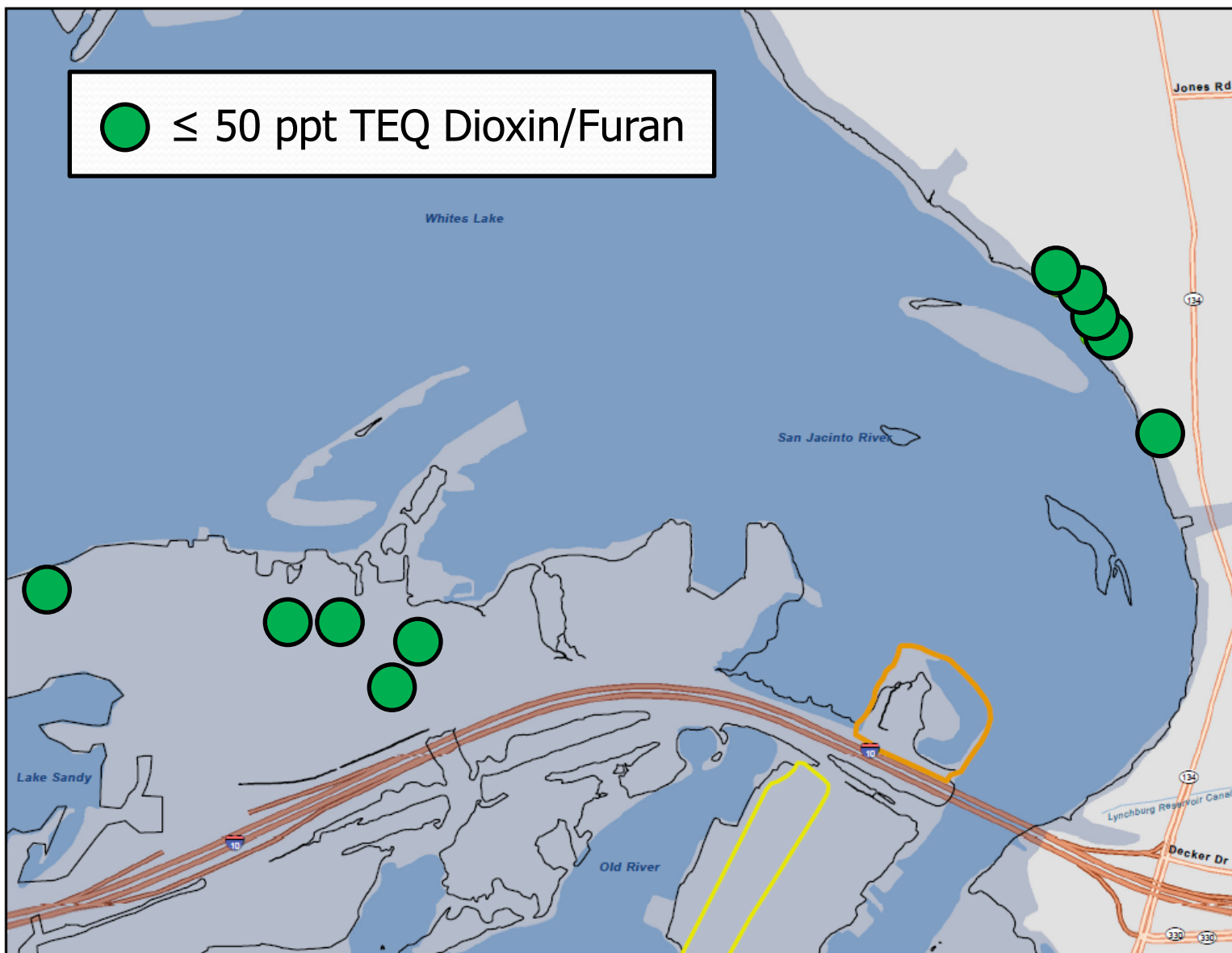


Sources:  
Sample Locations: Anchor QEA.  
Zero Ft. Contour: Anchor QEA.  
Impoundment Perimeters: EPA Region 6.  
100 Yr. Floodplain: Anchor QEA.  
Background Roads: ESRI Streetmap.

EPA makes no claims as to the  
accuracy of the data or its suitability  
for any particular use.





Map created: September 19, 2011

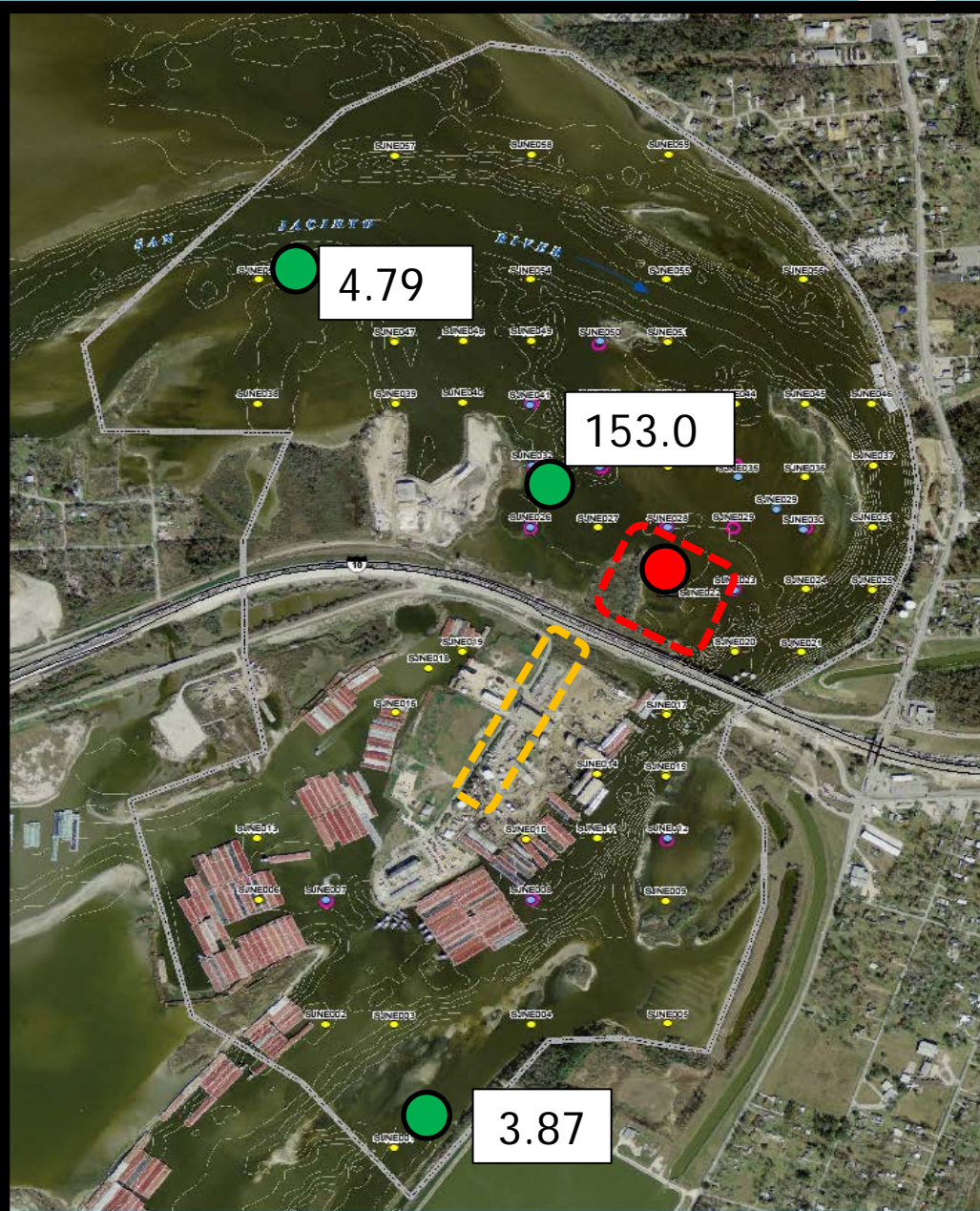
EPA Region 6  
Superfund Division  
Dallas, Texas  
20110919BG01



# San Jacinto River Waste Pits Superfund Site

240 River sediment  
samples within  
preliminary site boundary.




-  Waste Pits
-  Southern Impoundment
-  31,600 ng/kg TEQ<sub>DF</sub> Dioxin
-  Sediment - ng/kg TEQ<sub>DF</sub> Dioxin

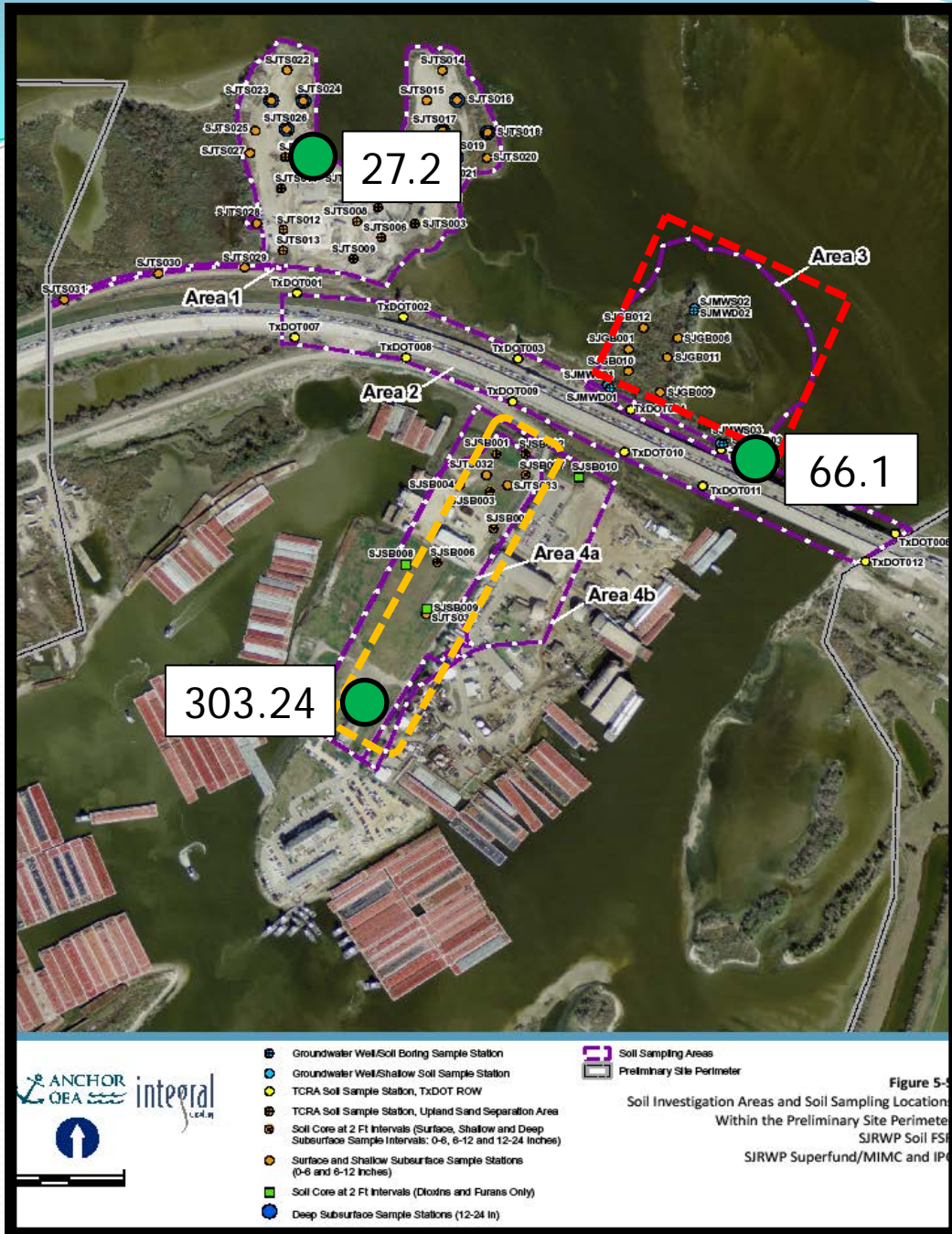


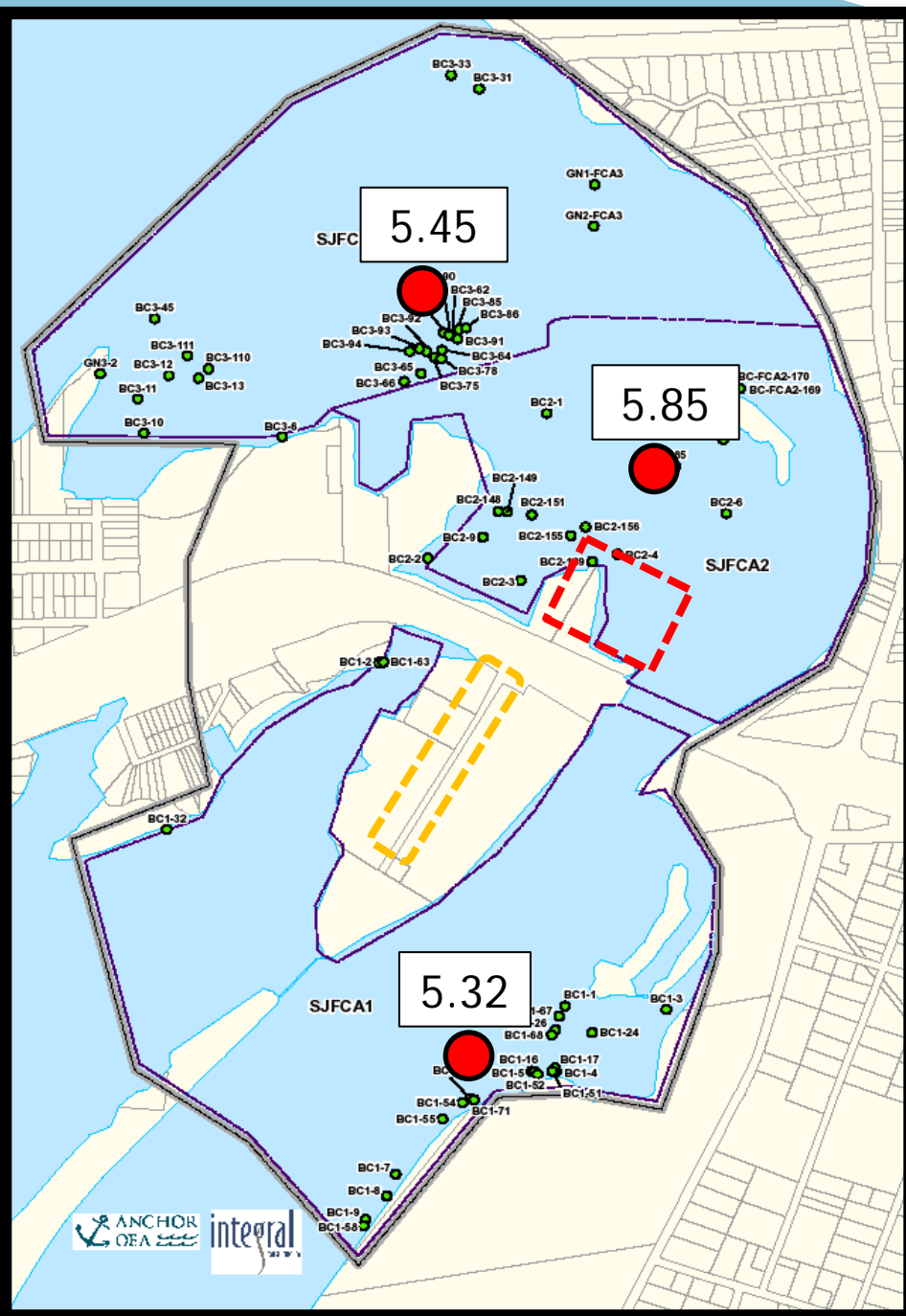


# San Jacinto River Waste Pits Superfund Site


205 Soil samples within  
preliminary site boundary.

-  Waste Pits
-  Southern Impoundment
-  Surface soil (top 2 ft.)  
ng/kg TEQ<sub>DF</sub> Dioxin





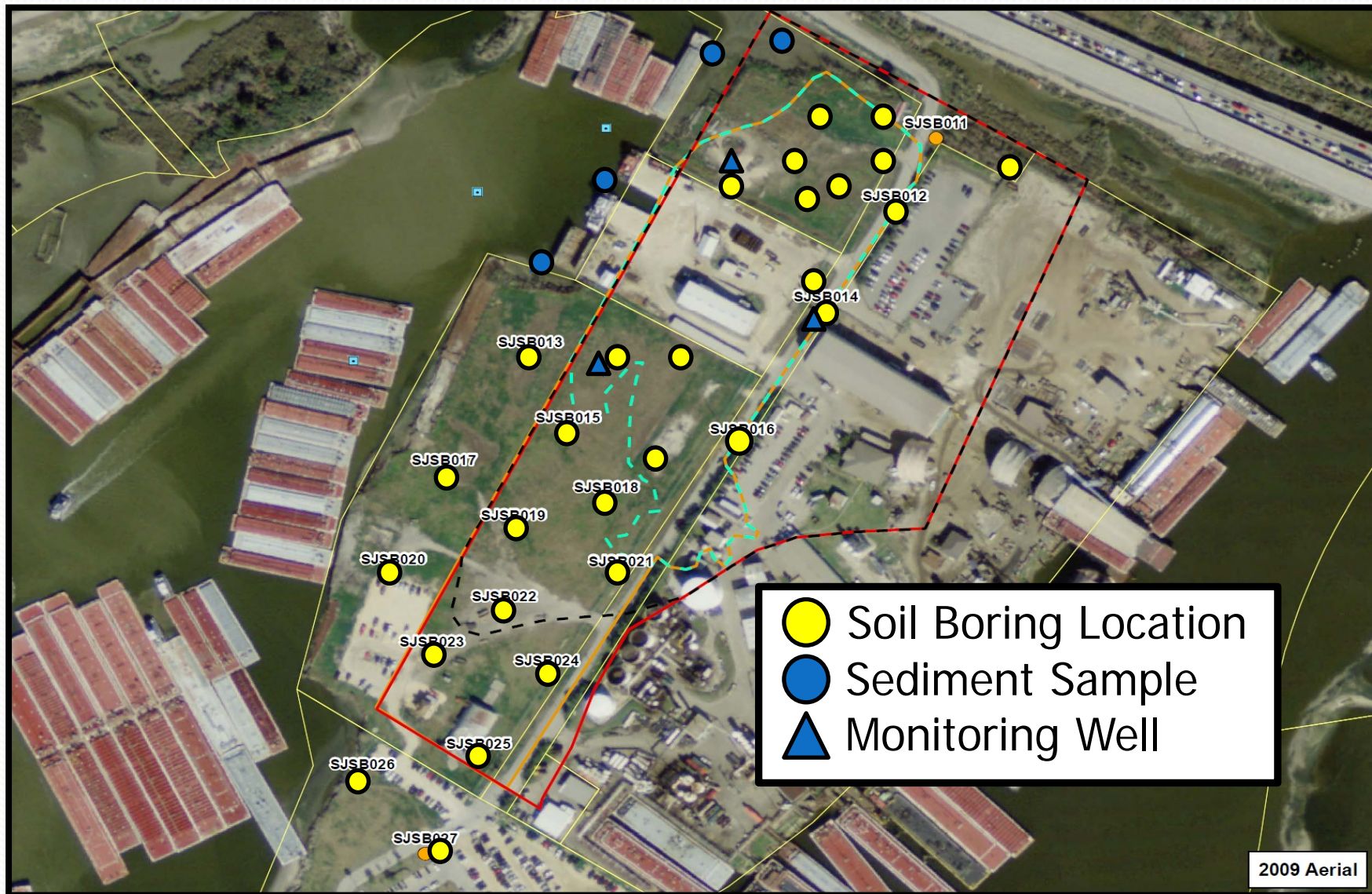
## 30 Hardhead catfish samples in site boundary.

 Fillet samples – ng/kg TEQ<sub>DF</sub> Dioxin



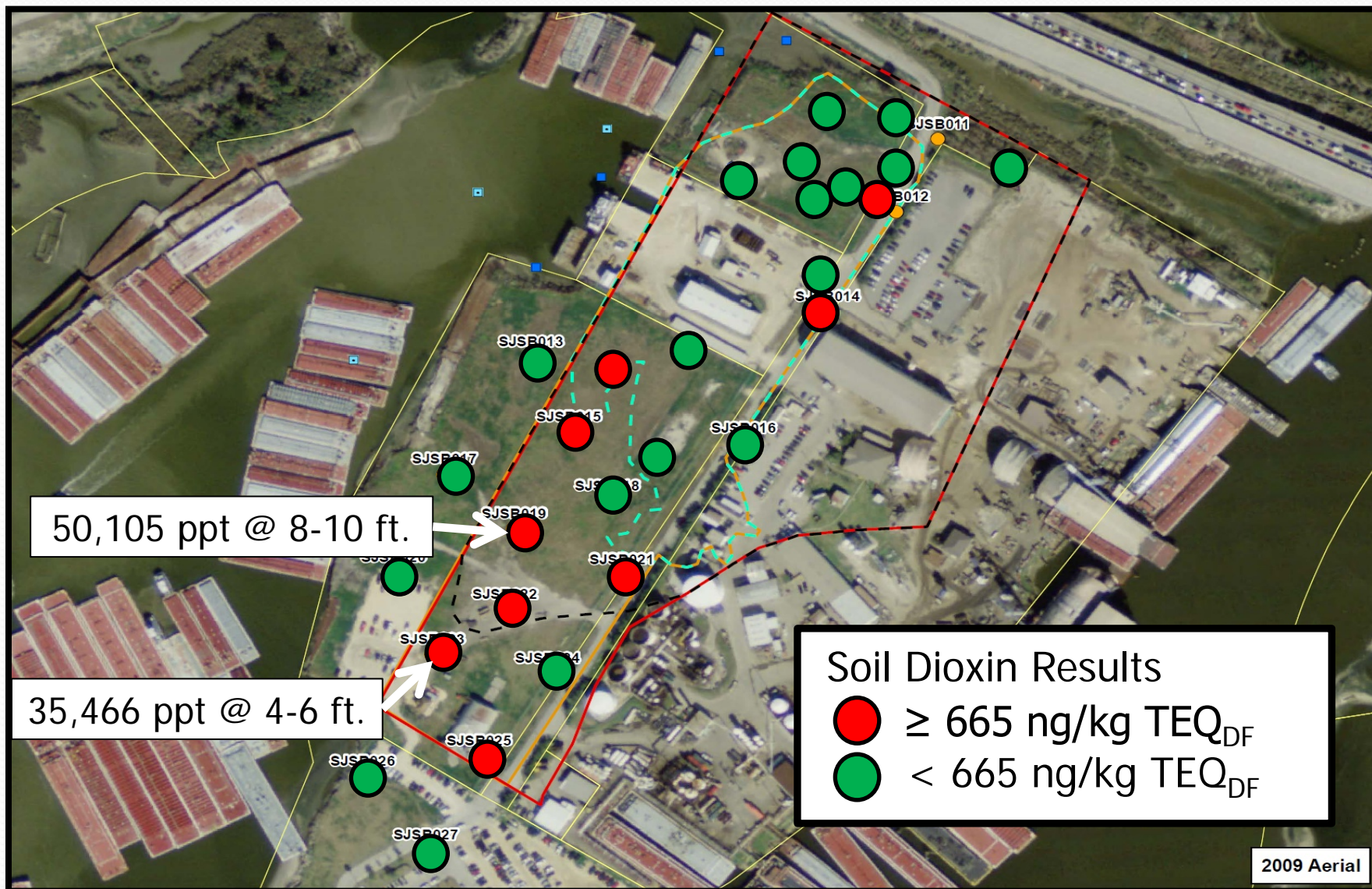


# Southern Impoundment Sample Locations





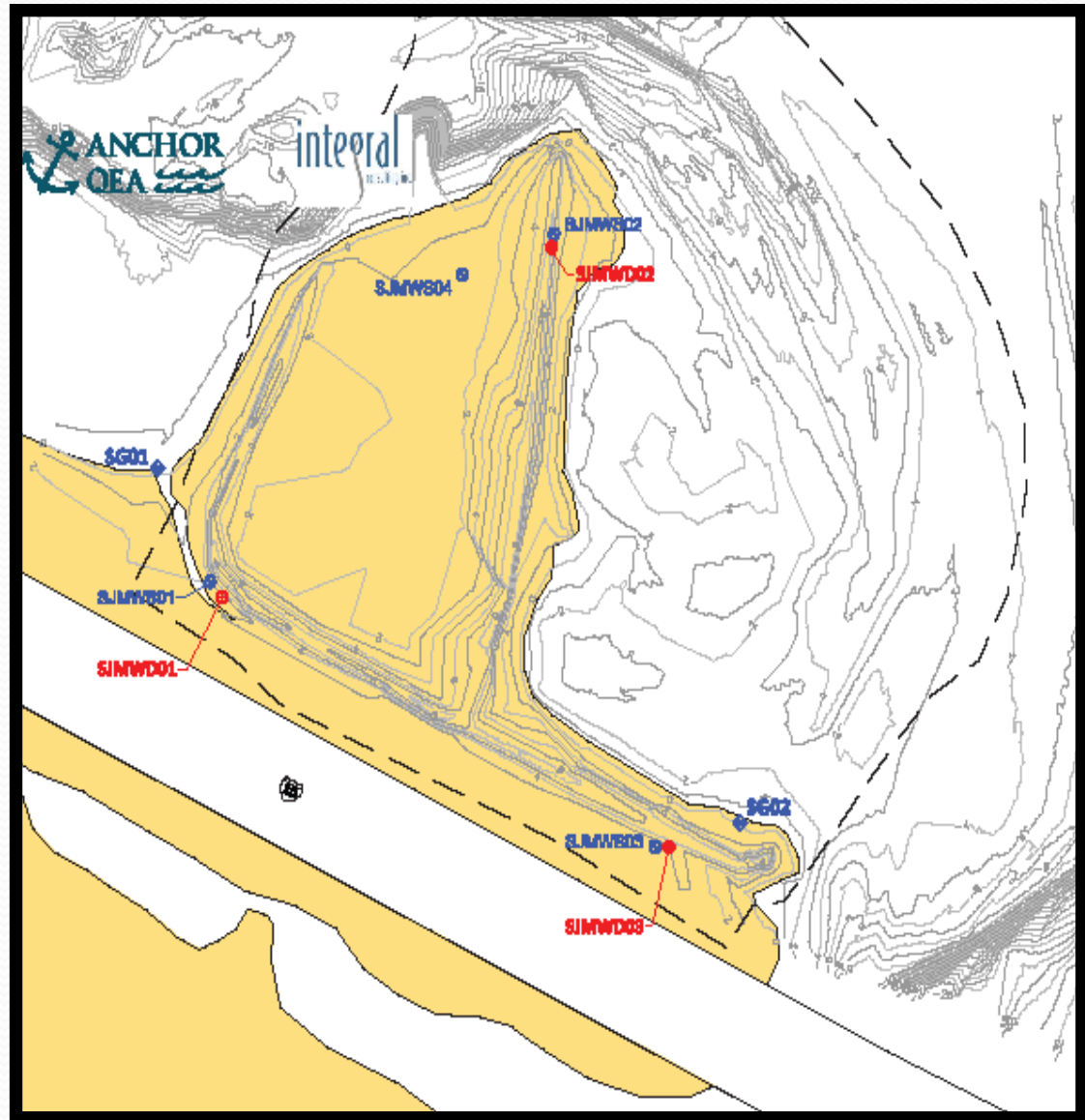
# Southern Impoundment Soil Samples



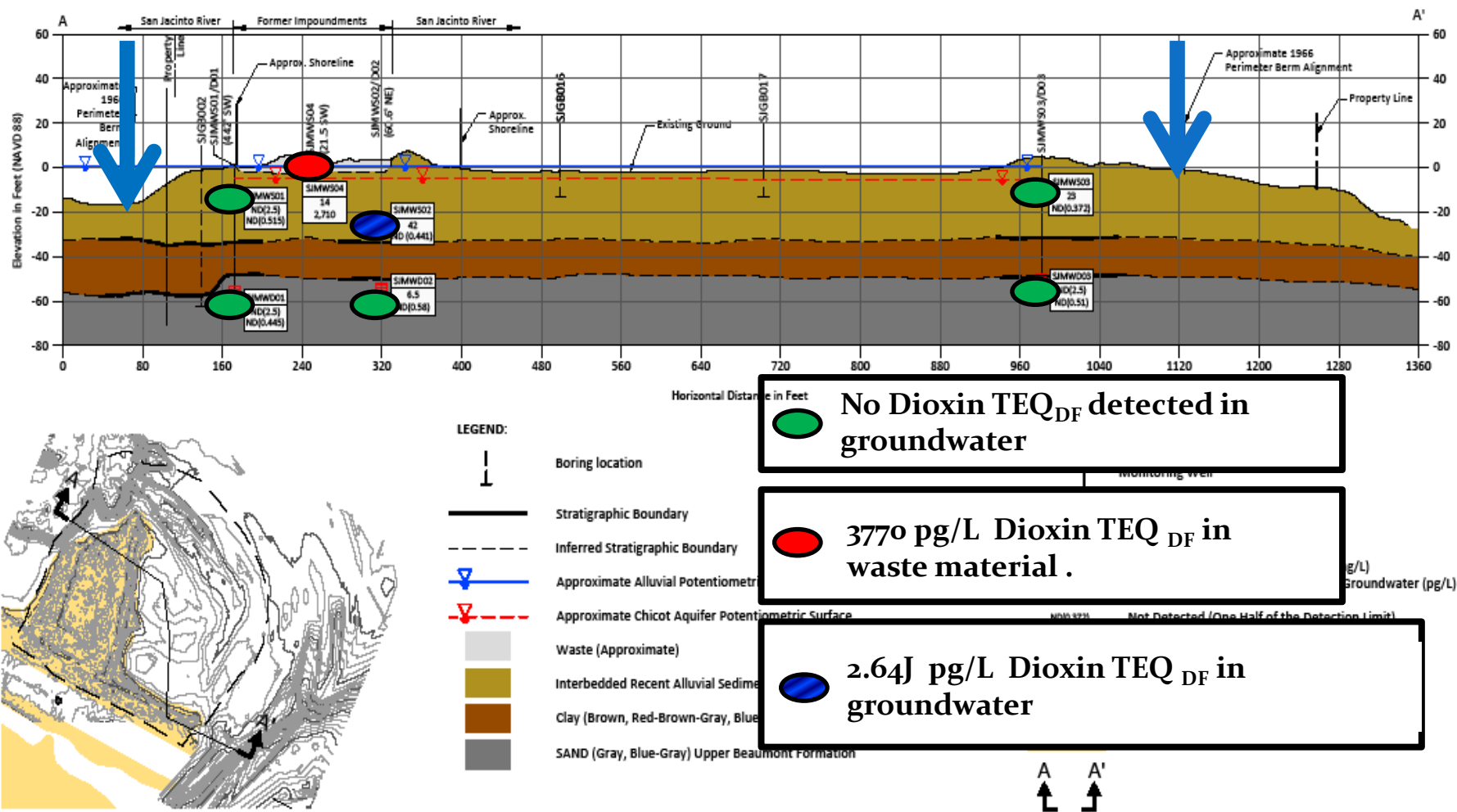


# San Jacinto River Waste Pits Superfund Site

Groundwater sample  
locations

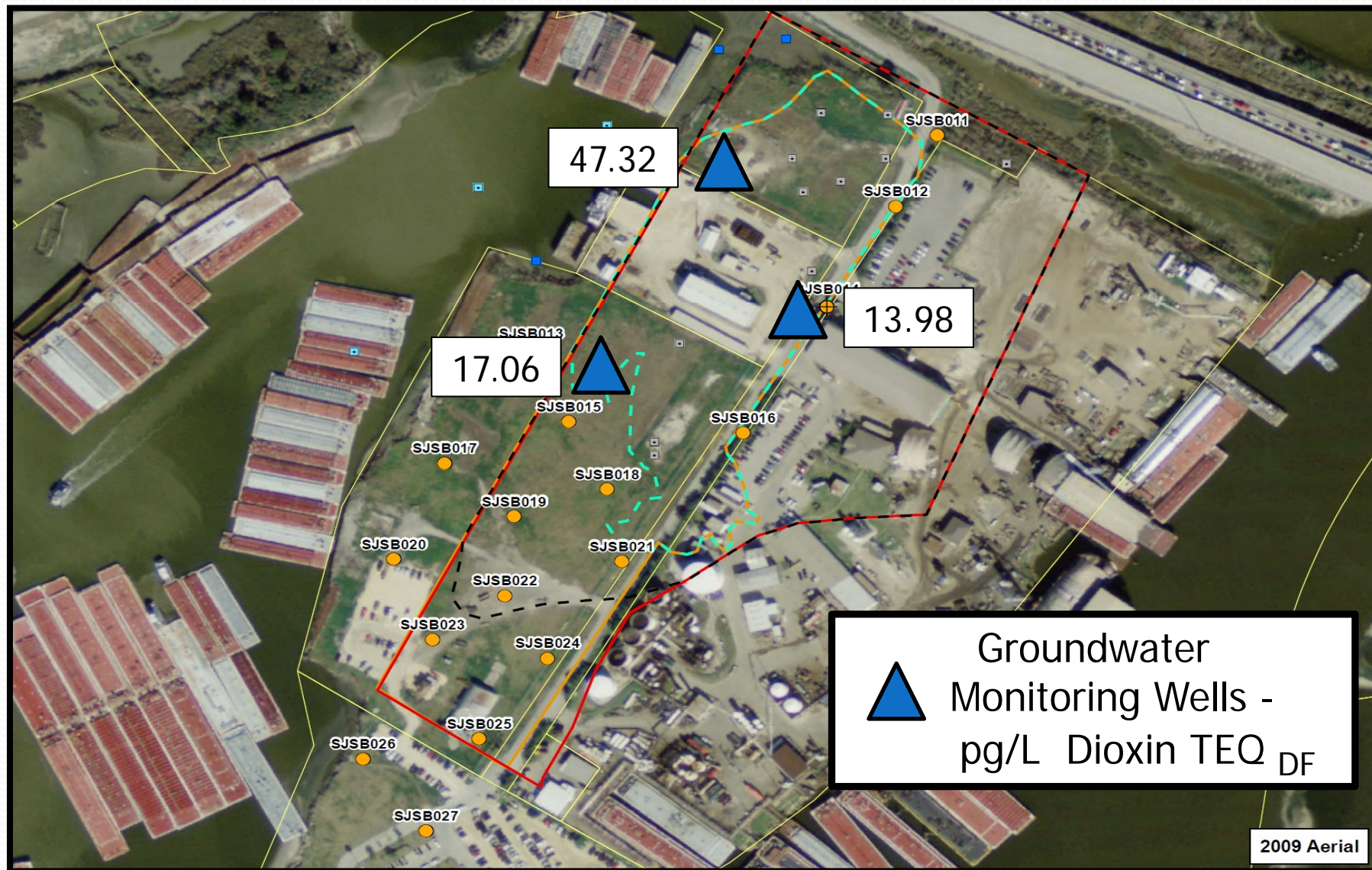


# Groundwater Cross-Section



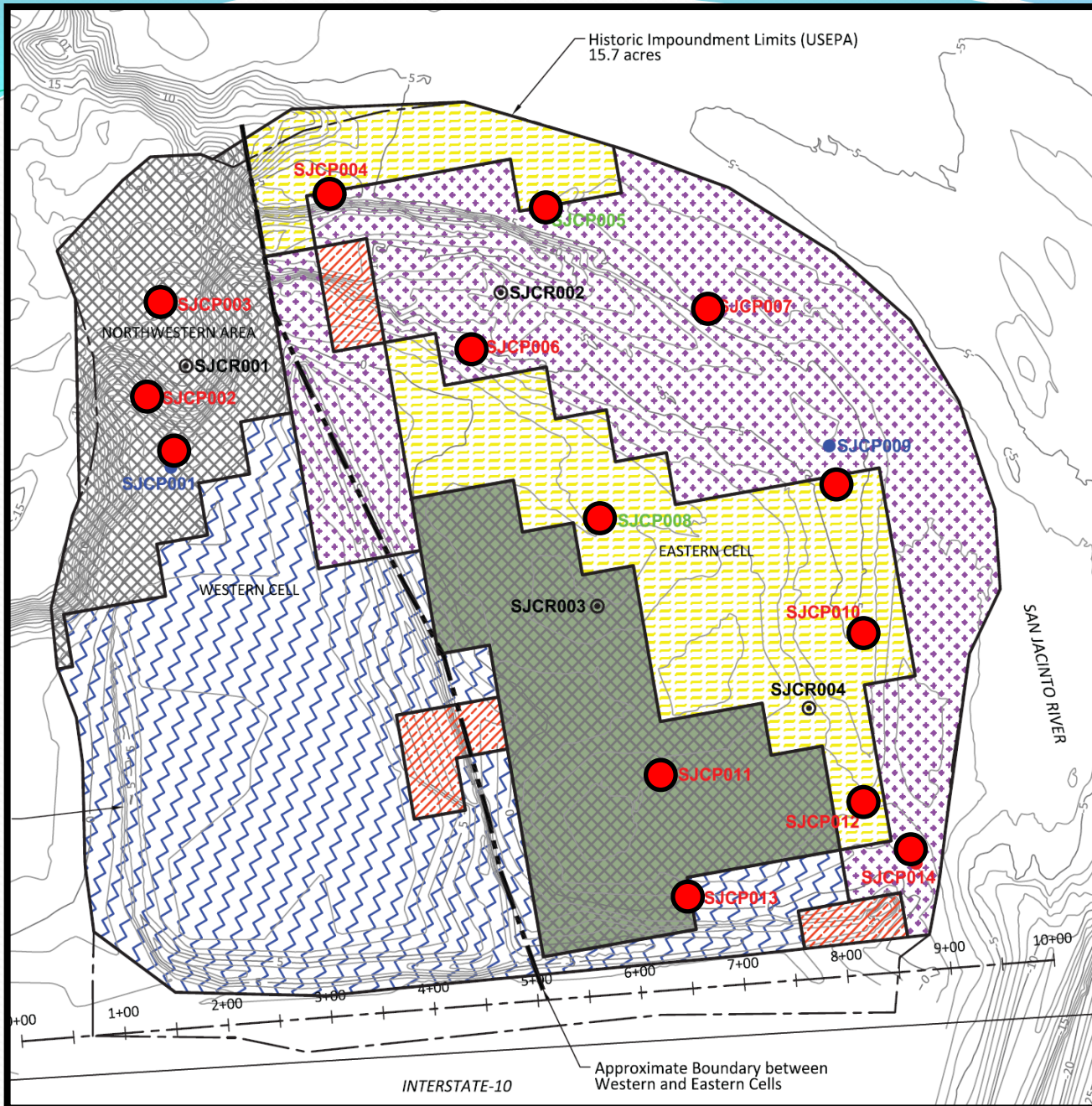


# Southern Impoundment Groundwater Monitoring Well Locations





# Waste Pits Cap Porewater Sampling Locations







## What is “Porewater”?

- Water in the space between the rock and soil particles of the cap;
- Samplers inserted into the cap to measure dioxin and furan in the pore water.



## Cap Porewater Assessment Results

- Dioxin not detected in any samples;
- Furan at very low levels in three out of 48 samples and not detected in the other 45 samples;
- Neither dioxin or furan were detected in the overlying surface water.



## **RI/FS Schedule**

# **San Jacinto River Waste Pits Superfund Site**

- 
- **Remedial Investigation Report**
  - Initial Draft Submitted - Nov 2012
  - Approval of Final Report - March 2013

- 
- **Feasibility Study Report**
  - Initial Draft Submitted - April 2013
  - Approval of Final Report - Sept 2013

- 
- **Proposed Plan for Remediation**
  - Public Comment Period Begins – Nov 2013

# Time Critical Removal Action (TCRA) Update

## San Jacinto River Waste Pits Site





# TCRA Update – Western Berm Erosion

## Timeline

- RP notification of berm erosion July 23, 2012;
- EPA inspection of cap July 24, 2012;
- Completion of repairs of western berm August 6, 2012;
- EPA, USACE, and RP assessment of cap design/construction.



# TCRA Update – Armor Cap Inspections

## Results of Cap Inspections – February / May / October 2012:

- Cap observed to be in visually intact;
- Site security fencing and signage intact;
- No evidence of trespassers or fishing around waste pits;
- 1<sup>st</sup> and 2<sup>nd</sup> quarterly topographic surveys - no cap repair needed.





# San Jacinto River Waste Pits Superfund Site For More Information

## U.S. EPA

**Gary Miller**  
**Remedial Project Manager**  
214.665.8318 or 1.800.533.3508 (toll-free)

**Valmichael Leos**  
**On-Scene Coordinator**  
214.665.2283 or 1.800.533.3508 (toll-free)

**Donn Walters**  
**Sr. Community Involvement  
Coordinator / Public Liaison**  
214.665.6483 or 1.800.533.3508 (toll-free)

## Texas Commission on Environmental Quality

**Luda Voskov**  
**Project Manager, Superfund Section**  
512.239.6368

**Crystal Taylor**  
**Community Relations, Superfund Section**  
512.239.3844

**Site Repository**  
Highlands Public Library, Stratford Branch  
509 Stratford Street, Highlands Texas

## San Jacinto Waste Pits Superfund Site on the Internet

[www.sanjacintowastepits.com](http://www.sanjacintowastepits.com) or  
[www.epa.gov/region6/6sf/pdf/files/0606611.pdf](http://www.epa.gov/region6/6sf/pdf/files/0606611.pdf)